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S & B
OSA -4839-66

19 December 1966

25X1A

To: [REDACTED]

Subject: VERIFICATION OF SUIT CONTROLLER PERFORMANCE
WITH AND WITHOUT PROTECTOR COVER 4TAQ12

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Dea [REDACTED]

The subject cover was to be added to the suit controller to protect the O₂ hoses from damage during aircraft emergencies.

To insure that no additional vent air flow back pressure resulted from enclosing the controller within the subject cover, 4TAQ12, the following tests were successfully concluded:

- A. Vent airflow at sea level with and without the cover installed.
- B. Vent airflow at normal cabin altitude with and without the cover installed.

The results shown by the enclosed data indicates that no increase in back pressure resulted by enclosing the suit controller within the cover 4TAQ12.

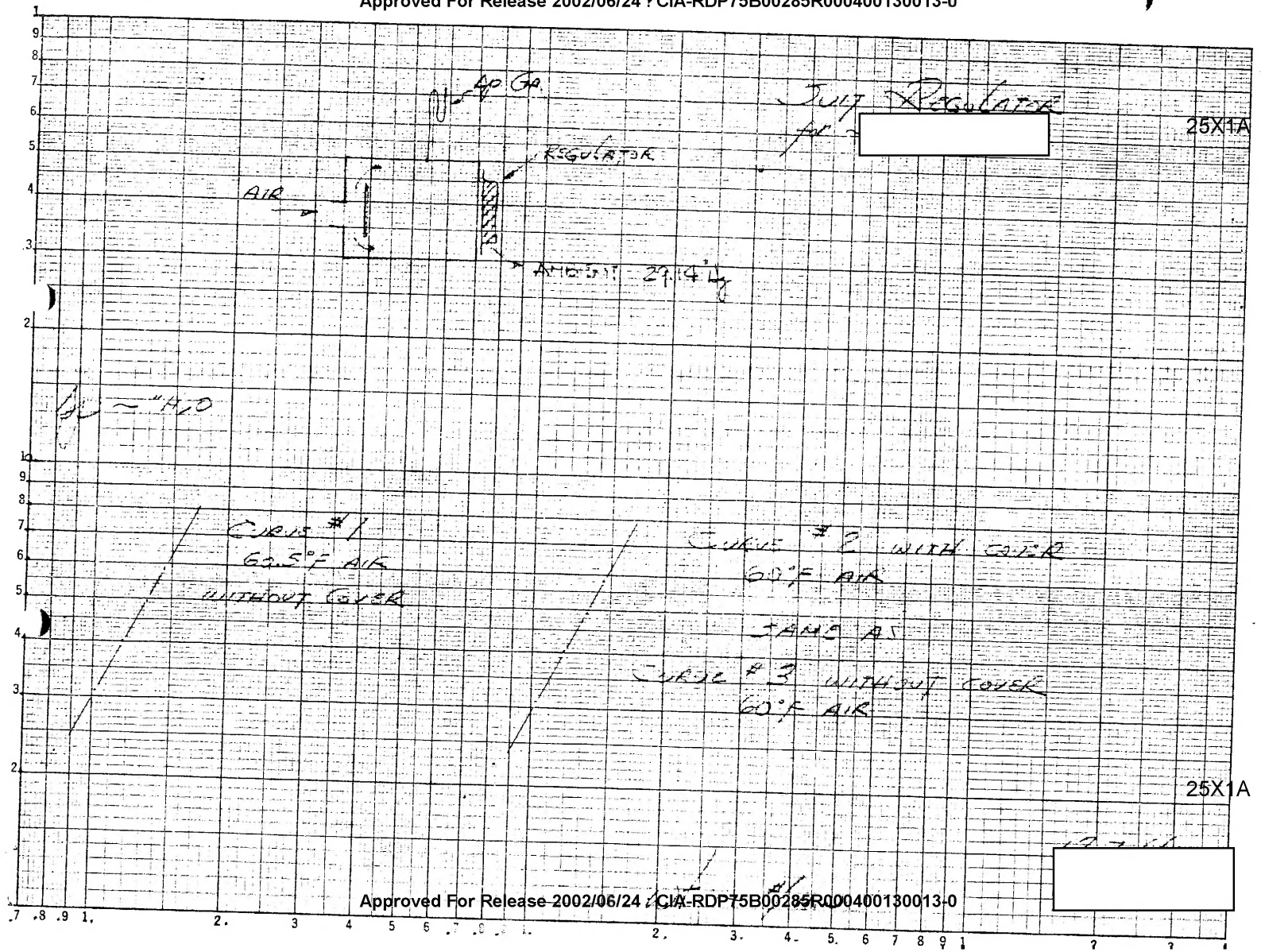
We are presently making twenty covers from our prototype cooling and will coordinate with [REDACTED] or installation.

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Enclosure



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LOGARITHMIC
2 V & 7 CYCLES

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